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\	TRADENT & TRADENTE	,

Practitioner's	Docket No.	S-092701

**PATENT** 

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

🗵 original.
design.
□ supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation of continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
☐ national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
☐ divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or continuation or divisional application names an inventor not named in the prior application, continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirement—nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTABBLID IDENTIFICATION

#### INVENTORSHIP IDENTIFICATION

**WARNING:** If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

		(Declaration an	d Pow	er of Attorn	ey [1-1]	page 1 of 7)
FOR	PRODUCI	NG SAME				
CELLULAR DIAGNOSTIC	ARRAYS,	METHODS	OF	USING	AND	PROCESSES



#### SPECIFICATION IDENTIFICATION

ne specification of which:	
(complete (a), (b), or (c))	
(a) is attached hereto.	
NOTE: "The following combinations of information supplied in an oath or declaration filing date with a specification are acceptable as minimums for identifying a speci with any one of the items below will be accepted as complying with the identifying 37 CFR 1.63:	ification and compliance
"(1) name of inventor(s), and reference to an attached specification to the oath or declaration at the time of execution and submitted with on filing;	
"(2) name of inventor(s), and attorney docket number which was on to	he specification as filed
"(3) name of inventor(s), and title which was on the specification a	s filed."
Notice of July 13, 1995 (1177 O.G. 60).	
(b) ☑ was filed on September 27, 2001, as ☑ Serial No. or ☐	<b>0</b> 9/ <u>965,644</u>
and was amended on (if applicable).	
NOTE: Amendments filed after the original papers are deposited with the PTO that not accorded a filing date by being referred to in the declaration. Accordingly, the are those filed with the application papers or, in the case of a supplemental amendments claiming matter not encompassed in the original statement of it 37 CFR 1.67.	e amendments involved I declaration, are those
NOTE: "The following combinations of information supplied in an oath or declaration are acceptable as minimums for identifying a specification and compliance will be accepted as complying with the identification requirement of 3.	th any one of the items
"(1) name of inventor(s), and application number (consisting of the se number; e.g., 08/123,456);	eries code and the seria
"(2) name of inventor(s), serial number and filing date;	
"(3) name of inventor(s) and attorney docket number which was on t	he specification as filed;
"(4) name of inventor(s), title which was on the specification as file	ed and filing date;
"(5) name of inventor(s), title which was on the specification as fill attached specification which is both attached to the oath or declaration and submitted with the oath or declaration; or	
"(6) name of inventor(s), title which was on the specification as file a cover letter accurately identifying the application for which it was application number (consisting of the series code and the serial numbe serial number and filing date. Absent any statement(s) to the contrary, the application filed in the PTO is the application which the inventor the oath or declaration."	intended by either the er; e.g., 08/123,456), or it will be presumed that
Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th	ed., rev. 3.
(c) was described and claimed in PCT International, filed on	
amended under PCT Article 19 on	and as (if any).
	(// 4/7/).

OIPE 4	
MAR 1 3 2002 E	SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))  splete the following where a supplemental declaration is being submitted)
	I hereby declare that the subject matter of the
	attached amendment amendment filed on
	of my/our invention and was invented before the filing date of the original a above-identified, for such invention.

#### **ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
  - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

### **PRIORITY CLAIM** (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) 🛚	] no	such	applications	have	been	filed.
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(e) 
such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney [1-1]—page 3 of 7)



#### PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CL UNDER 37 US	
			☐ YES N	0 🗆
			☐ YES N	0 🗆
			☐ YES N	<b>o</b> 🗆
			☐ YES N	0 🗆
			☐ YES N	0 🗆
CLAIM FOR	BENEFIT OF PRIOR U	S. PROVISIONAL	APPLICATIO	N(S)

### (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 235,841	<u>September 27,</u> 2000
/	<u> </u>
/	

#### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) **UNDER 35 U.S.C. 120**

The claim for the benefit of any such applications are set forth in the
attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF
ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN
PART (C-I-P) APPLICATION.

MALL F			ANY, FILED MORE THAN 12 MONTHS OR TO THIS U.S. APPLICATION
NOTE:	the basis for this applic divisional, or continuate	cation entering the Unition-in-part, then also o ORNEY FOR DIVISION	om the filing date of this application is a PCT filing formited States as (1) the national stage, or (2) a continuation of the complete ADDED PAGES TO COMBINED DECLARATION FOR CONTINUATION OR C-I-P APPLICATION for bender 35 U.S.C. § 120.
		POWER OF	ATTORNEY
			r(s) to prosecute this application and transa
		(list name and re	gistration number)
	Samuel M.	Freund, reg	istration no. 30,459
	(0	check the following	g item, if applicable)
C	vided below to		s) associated with the Customer Number pr pplication and to transact all business in the nected therewith.
C		amed practitioner(	on and power of attorney, is the authorization on accept and follow instructions from n
SEND C	ORRESPONDENCE T	го	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
כ	Address		Samuel M. Freund (505) 667-9701
820 C	M. Freund orona amos, New Me:	xico 87544	(202) 667-2701
	amoog 14000 140.	ハエしし しょファオ	



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

	address and cou	ntry of citizensh	nip. 37 CFR § 1.63(a)(3).			
NOTE:	inventors. Section	n 1.63(a)(3) req ecution of separ	declarations/oaths provided quires that a declaration/oa rate declarations/oaths whic . 53,131, 53,142, October 1	th, inter alia, ide ch each sets for	ntify each inventor and	ľ
Full na	me of sole or	first invento	or			
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Post Office Address \_\_

#### DECLARATION

All statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(5).
- NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997.

executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997, **Pull name of sole or 4th inventor** Gabel Christopher (DANN NAME) (MIDDLE MITTAL OR NAME) FAMILY (OR LAST NAME) Inventor's signature \_ Country of Chizenship United States Residence 14 Sparhawk, #1, Brighton, Massachusetts 02135 Post Office Address same as residence Full name of 5th joint inventor, if any Jure Derganc GHOOLE HETTAL OR NAMED FAMILY (OR LAST NAME) Inventor's signature \_\_ \_ Country of Citizenehlo Sinvenia Reeldence 9 Magazine Street, Cambridge, Massachusetts 02139 Poet Office Address same as residence Full name of third joint inventor, if any POPULA NAMES PARODLE HETTAL OR MANES PANELY (OR LAST MANE) inventor's signature \_\_ \_\_\_\_ Country of Citizenship \_\_\_\_ Recidence ....



## (check proper box(es) for any of the following added page(s) that form a part of this declaration)

Signature for fourth and subsequent joint inventors. Number of pages added one (1).

Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
• • •
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • •
Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
• • •
Added pages to combined declaration and power of attorney for divisional continuation, or continuation-in-part (C-I-P) application.
□ Number of pages added
Authorization of practitioner(s) to accept and follow instructions from representative.
• • •
(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)
☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]-page 7 of 7)



### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

his	declaration	is	ot	the	tollowing	type:	
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(check one applicable item below)

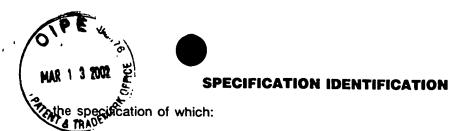
🖾 original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
☐ national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
☐ divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).
continuation-in-part (C-I-P).
MUCHTARCUR IRENTIFIALTIAN

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

CFILULAR DIAGNOSTIC	ARRAYS, M	ETHODS	OF	USING	AND	PROCESSES
	PRODUCINO					



		(complete (a), (b), or (c))	
(a)		is attached hereto.	
NOTE	1	The following combinations of information supplied in an oath or declaration filed on ing date with a specification are acceptable as minimums for identifying a specification ith any one of the items below will be accepted as complying with the identification 7 CFR 1.63:	and compliance
		"(1) name of inventor(s), and reference to an attached specification which is to the oath or declaration at the time of execution and submitted with the oat on filing;	s both attached h or declaration
		"(2) name of inventor(s), and attorney docket number which was on the spec or	ification as filed;
		"(3) name of inventor(s), and title which was on the specification as filed."	,
		Notice of July 13, 1995 (1177 O.G. 60).	
(b)	X	was filed on <u>September 27, 2001</u> , as \(\mathbb{N}\) Serial No. 09/9 or \(\mathbb{D}\)	65,644
		and was amended on (if applicable).	
NOTE	r e e	mendments filed after the original papers are deposited with the PTO that contain of accorded a filing date by being referred to in the declaration. Accordingly, the amend re those filed with the application papers or, in the case of a supplemental declaration mendments claiming matter not encompassed in the original statement of invention 7 CFR 1.67.	dments involved ation, are those n or claims. See
NOTE	ε	The following combinations of information supplied in an oath or declaration filed after the acceptable as minimums for identifying a specification and compliance with any completed as complying with the identification requirement of 37 CFR 1	one of the items
		"(1) name of inventor(s), and application number (consisting of the series coonumber; e.g., 08/123,456);	le and the serial
		"(2) name of inventor(s), serial number and filing date;	
		"(3) name of inventor(s) and attorney docket number which was on the spec	fication as filed;
		"(4) name of inventor(s), title which was on the specification as filed and f	iling date;
		"(5) name of inventor(s), title which was on the specification as filed and attached specification which is both attached to the oath or declaration at the till and submitted with the oath or declaration; or	reference to an me of execution
		"(6) name of inventor(s), title which was on the specification as filed and a cover letter accurately identifying the application for which it was intended application number (consisting of the series code and the serial number; e.g., serial number and filing date. Absent any statement(s) to the contrary, it will be the application filed in the PTO is the application which the inventor(s) executive oath or declaration."	od by either the 08/123,456), or o presumed that
		Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev	. <b>3</b> .
(c)		was described and claimed in PCT International Appli	cation No.
		amended under PCT Article 19 on	



#### SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)

I he	ereby declare that the subject matter of the
	attached amendment
$\Box$	amendment filed on

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

#### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
  - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

#### **PRIORITY CLAIM** (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(q) KI	no such	applications	have	been	filed.
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<ul><li>e) U such applications</li></ul>	have be	en filec	as	follows.
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NOTE: Where item (c) is entered above and the international Application which designated the U.S. Itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney [1-1]—page 3 of 7)



# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			☐ YES NO ☐
			☐ YES NO ☐
-			☐ YES NO ☐
			☐ YES NO ☐
			□ YES NO □

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 235,841	September 27, 2000
/	
/	

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)



NOTE:		
	the basis for this application entering the United of the discount of continuation-in-part, then also comp	he filing date of this application is a PCT filing form. States as (1) the national stage, or (2) a continuation of the national stage, or (2) a continuation of the national stage, or (2) a continuation of the national stage of the national stage, or (2) a continuation of the national stage of the nat
	POWER OF AT	TORNEY
I hereb all busine	by appoint the following practitioner(s) tess in the Patent and Trademark Office	to prosecute this application and transa
	(list name and regist	ration number)
	Samuel M. Freund, regis	tration no. 30,459
	(check the following its	em, if applicable)
	I hereby appoint the practitioner(s) as vided below to prosecute this applic Patent and Trademark Office connec	ssociated with the Customer Number protation and to transact all business in the ted therewith.
	Attached, as part of this declaration a of the above-named practitioner(s) to representative(s).	and power of attorney, is the authorization accept and follow instructions from n
SEND CO	RRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
Ø	Address	Samuel M. Freund (505) 667-9701
	M. Freund	(303) 887-3701
320 Co os Ala	rona mos, New Mexico 87544	
	Customer Number	



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).
- NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

full name of sole or fin	st inventor		
Mark	W	Bitensky	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)	
nventor's signature			
)ate	Country of Citizenship	United States	
Residence 99 Plair	nfield, Waban, Massachi	<u>usetts 02468</u>	
Post Office Address Sa	ame as residence		
5.11	int inventor if any	•	
Full name of second jo	int inventor, ii any	Yoshida	
Tatsuro			-
IGIVEN NAME	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OH LAST NAME)	
Inventor's signature	,	•	
inventor's signature Date	Country of Citizenship	Japan	024
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Inventor's signature  Date  Residence1236_Coo  Post Office Address  Full name of third join	Country of Citizenship mmonwealth Avenue, New same as residence  It inventor, if any  G.  MIDDLE INITIAL OR NAME)  Machael	Japan ton, Massachusetts  Frank FAMILY (OR LAST NAME) 1/15/2002	024
Inventor's signature	Country of Citizenship mmonwealth Avenue, New same as residence  It inventor, if any  G.  MIDDLE INITIAL OR NAME)  Machael	Frank FAMILY (OR LAST NAME)  1/5/2002	024

i hereby declare the statements made herein of my own known are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

MAR 1 3 2002

Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other

documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(s)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/aath sets forth all the Inventors. Section 1.63(a)(3) requires that a declaration/aath, inter alia, identify each inventor and prohibits the execution of separate declarations/aaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 63,142, October 10, 1997,

Christopher		Gabel
(CAVEN NAME)	PRODLE MITTAL OR MANE)	FAMILY (OR LAST MANE)
nventor's signature		
)ete	Country of Citizenship	United States
tecidence 14 Sparhawi	k, #1. Brighton, Mas	sachusetts 02135
Nost Office AddressSal	me as residence	
Full name of 5th join	I inventor, if any	Derganc
(DIVIDA MANIE)	MIDDLE MITTAL OF MARKET	FARELY (OR LAST MAKE)
Dete	Country of Citizenship	Slovenia
Recidence 9 Magazin	e Street, Cambridge,	Massachusetts 02139
Post Office Address _Sa	me as residence	
Full name of third joint is	nventor, If any	
(SWEN HANK)	PAROPLE METTAL OR MAKED	PANELY (OR LAST NAME)
_		
Date	Country of Citizeneti	P
Residence		







## (check proper box(es) for any of the following added page(s) that form a part of this declaration)

Ø	Signature for fourth and subsequent joint inventors. Number of pages added one (1).
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	• • •
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
	□ Number of pages added
	• • •
	Authorization of practitioner(s) to accept and follow instructions from representative.
	• • •
	(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]-page 7 of 7)



Practitioner's Docket No. <u>S-092701</u>

PATENT

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

This	declaration	is	of	the	following	type:	
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(check one applicable item below)

☐ design.
□ supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.
national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).
☐ continuation-in-part (C-I-P).
MACHINE INCHICIONATION

#### INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

CFILULAR DIAGNOSTIC	ARRAYS,	METHODS	OF	USING	AND	PROCESSES
	PRODUCIN					



	(complete (a), (b), or (c))
(a) [	is attached hereto.
NOTE:	"The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;
	"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or
	"(3) name of inventor(s), and title which was on the specification as filed."
	Notice of July 13, 1995 (1177 O.G. 60).
(b) (2	was filed on <u>September 27, 2001</u> , as \(\overline{\Omega}\) Serial No. 09 \(\frac{965,644}{}\) or \(\overline{\Omega}\)
	and was amended on (if applicable).
NOTE:	Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
NOTE:	"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123,456);
	"(2) name of inventor(s), serial number and filing date;
	"(3) name of inventor(s) and attorney docket number which was on the specification as filed;
	"(4) name of inventor(s), title which was on the specification as filed and filing date;
	"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
	Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.
(c) [	was described and claimed in PCT International Application No.
	amended under PCT Article 19 on (ff any).

OTP. E JOIN		
MAR 1 3 2002	SUPPLEMEN	NTAL DECLARATION (37 C.F.R. § 1.67(b))
<u> </u>	complete the following	ng where a supplemental declaration is being submitted)
TATA TRADE	☐ I hereby declare	that the subject matter of the
	□ attached an	mendment .
	□ amendment	filed on
	•	tion and was invented before the filing date of the original d, for such invention.

#### **ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
  - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

#### PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. "§ 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) In no such applications have	been	filed.
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(e)  $\square$  such applications have been filed as follows.

NOTE: Where item (c) is entered above and the international Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney [1-1]—page 3 of 7)



# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)–(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	PRIORITY CLAIMED UNDER 37 USC 119
		☐ YES NO ☐

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 235,841	September 27, 2000

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

The claim for the benefit of any such applications are set forth in the
attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF
ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN
PART (C-I-P) APPLICATION.



### ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

NOTE:	If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation,
	divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION
	AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit
	of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

#### **POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Samuel M. Freund, registration no. 30,459

(check the following item, if applicable)

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

#### SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO: (Name and telephone number)

Samuel M. Freund (505) 667-9701

Samuel M. Freund 1820 Corona Los Alamos, New Mexico 87544

☐ Customer Number .	
---------------------	--



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

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ull name of sole or fi		Bitensky
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Post Office Address  Full name of third join Michael	Country of Citizenship mmonwealth Avenue. New same as residence  Int inventor, if any  G. (MIDDLE INITIAL OR NAME)	ton, Massachusetts
Post Office Address  Full name of third join Michael	mmonwealth Avenue. New same as residence  nt inventor, if any  G.  (MIDDLE INITIAL OR NAME)	Frank FAMILY (OR LAST NAME)
Post Office Address  Full name of third join Michael (QIVEN NAME)  Inventor's signature  Date	Country of Citizenship mmonwealth Avenue, New same as residence  Int inventor, if any  G.  (MIDDLE INITIAL OR NAME)  Country of Citizenship	Frank FAMILY (OR LAST NAME)
Post Office Address  Full name of third join Michael (QIVEN NAME)  Inventor's signature  Date	mmonwealth Avenue. New same as residence  nt inventor, if any  G.  (MIDDLE INITIAL OR NAME)	Frank FAMILY (OR LAST NAME)

all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



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name of 5th joi	nt inventor, if any		
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ridence			



## (check proper box(es) for any of the following added page(s) that form a part of this declaration)

Signature for fourth and subsequent joint inventors. Number of pages added one (1).

Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
• • •
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
• • · •
Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
• • •
Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
□ Number of pages added
• • •
Authorization of practitioner(s) to accept and follow instructions from representative.
• • •
(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)
☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]—page 7 of 7)

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Practitioner's	Docket No.	S-092701

**PATENT** 

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

design.	
☐ supplemental.	
NOTE: If the declaration is for an International Application be continuation-in-part application, do not check next item;	eing filed as a divisional, continuation or check appropriate one of last three items.
☐ national stage of PCT.	
NOTE: If one of the following 3 items apply, then complete and all CONTINUATION OR C-I-P.	iso attach ADDED PAGES FOR DIVISIONAL,
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application declaration in the continuation or divisional application be the inventors named in the prior application.	
divisional.	
☐ continuation.	
NOTE: Where an application discloses and claims subject matter continuation or divisional application names an inventional continuation-in-part application must be filed under 37 C.f.—nonprovisional application).	tor not named in the prior application, a
☐ continuation-in-part (C-I-P).	
INVENTABLUID INFNTIF	ICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

CFLLULAR DIAGNOSTIC	ARRAYS,	<u>METHODS</u>	OF	USING	AND	PRUCESSES
	PRODUCIN					,

(Declaration and Power of Attorney [1-1]—page 1 of 7)



### SPECIFICATION IDENTIFICATION

(complete (a) (b) or (c)

(complete (a), (b), or (c))
(a) is attached hereto.
NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;
"(2) name of inventor(s), and attorney docket number which was on the specification as filed, or
"(3) name of inventor(s), and title which was on the specification as filed."
Notice of July 13, 1995 (1177 O.G. 60).
(b) ⊠ was filed on <u>September 27, 2001</u> , as ⊠ Serial No. 09/ <u>965,644</u> or □
and was amended on (if applicable).
NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
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"(2) name of inventor(s), serial number and filing date;
"(3) name of inventor(s) and attorney docket number which was on the specification as filed;
"(4) name of inventor(s), title which was on the specification as filed and filing date;
"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.
(c) was described and claimed in PCT International Application No.
amended under PCT Article 19 on (if any).

OIPE TOPE	
MAR 1 3 2002	SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))
TRADESON	nplete the following where a supplemental declaration is being submitted)  I hereby declare that the subject matter of the
	I hereby declare that the subject matter of the
	□ attached amendment
	amendment filed on
was part applicatio	of my/our invention and was invented before the filing date of the original n, above-identified, for such invention.

#### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
  - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

#### **PRIORITY CLAIM** (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d)	X	no such applications have been filed.
(e)		such applications have been filed as follows.
NOT	E:	Where item (c) is entered above and the international Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney [1-1]—page 3 of 7)



# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)–(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			☐ YES NO ☐
			☐ YES NO ☐
			☐ YES NO ☐
			☐ YES NO ☐
			☐ YES NO ☐

## CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 235,841	<u>September 27,</u> 2000
/	
/	

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

The claim for the benefit of any such applications are set forth in the
attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF
ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN
PART (C-I-P) APPLICATION.

2002		
		VY, FILED MORE THAN 12 MONT R TO THIS U.S. APPLICATION
th di Al	e basis for this application entering the Unite visional, or continuation-in-part, then also co	in the filing date of this application is a PCT filing for ad States as (1) the national stage, or (2) a continual mplete ADDED PAGES TO COMBINED DECLARAL, CONTINUATION OR C-I-P APPLICATION for both U.S.C. § 120.
	POWER OF	ATTORNEY
-	appoint the following practitioner(s	s) to prosecute this application and tranice connected therewith.
	(list name and reg	istration number)
•	Samuel M. Freund, regi	stration no. 30,459
	(check the following	item, if applicable)
		associated with the Customer Number olication and to transact all business in ected therewith.
	•	n and power of attorney, is the authoriza ) to accept and follow instructions from
SEND COF	RRESPONDENCE TO	DIRECT TELEPHONE CALLS T (Name and telephone number)
(X)	Address	Samuel M. Freund (505) 667-9701
amuel M 820 Cor		()0)) 00/-9/01
os Alam	os, New Mexico 87544	

all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).
- NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  Inventor's signature  Country of Citizenship United States  Residence 99 Plainfield, Waban, Massachusetts 02468  Post Office Address same as residence  Full name of second joint inventor, if any  Tatsuro (GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  Inventor's signature  Date Country of Citizenship Japan  Residence 1236 Commonwealth Avenue, Newton, Massachusetts  Post Office Address same as residence  Full name of third joint inventor, if any  Michael G. Frank (GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  Inventor's signature  Date Country of Citizenship United States  Residence 1721 Gilcrest, East Lansing, Michigan 48825	Mark	W		itensky
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I hereby declare that a statements made herein of my own knowled are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

MAR 1 3 ZORZ BENTALLE A

#### SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by higher residence, post office address and country of citizenship. 37 CFR § 1.63(s)(3).

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## (check proper box(es) for any of the following added page(s) that form a part of this declaration)

X	Signature for fourth and subsequent joint inventors. Number of pages added one (1).
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	* * *
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	* * *
	Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	* * *
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
	□ Number of pages added
	• • •
	Authorization of practitioner(s) to accept and follow instructions from representative.
	* * * ·
	(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]—page 7 of 7)